Application No. 10/087,792
Reply to Office Action of May 22, 2006

ABSTRACT OF THE DISCLOSURE

A ~~packet transmission~~ method for transmitting packets classified according to ~~a~~ ~~quality of service (QoS)~~ QoS requirement from a transmitting node to a receiving node is provided[[.]], [[In]] the transmitting node, ~~the steps of:~~ being configured to select ~~selecting~~ sequentially a QoS class[[;]], to divide ~~dividing~~ a queued packet to be transmitted, which belongs ~~belonging~~ to the selected class, into a plurality of predetermined data units, [[and]] to transmit ~~transmitting~~ one of the ~~obtained~~ predetermined data units[[;]], and to apply ~~applying~~ a transmitter-side retransmission control process to the data unit to be transmitted when the selected class is a QoS class specified for data type packets, and ~~are provided. In~~ the receiving node, ~~the steps of:~~ being configured to receive ~~receiving~~ sequentially the data units transmitted from the transmitting node[[;]], to assemble ~~assembling~~ a plurality of received data units to ~~decompress~~ restore an [[the]] original packet for each QoS class[[;]], and to apply ~~applying~~ a receiver-side retransmission control process to the received data units ~~to be assembled~~ when the received data unit belongs to one of the data type QoS classes ~~specified for the data type packets are provided~~.

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